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# APPENDIX L

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## LAS NameCheck Default Parameters

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Name Field	Parameter	Valid Range / Set of Values	Generic Default Value	Anglo Default Value (Eng/US)	Arabic Default Value (Egypt)	Chinese Default Value (China)	Hispanic Default Value (Mexico)	Korean Default Value (Korea)	Russian Default Value (Russia)
SN	SurnameCheckInitial	{T, F}	F	F	T	F	T	F	T
SN	SurnameCheckVariant	{T, F}	T	T	F	T	T	T	F
SN	SurnameCheckBias	{T, F}	F	F	F	F	F	F	T
SN	SurnameCheckUnknownNotExist	{T, F}	F	F	F	F	F	F	F
SN	SurnameCheckCompressed	{T, F}	F	F	T	F	T	F	F
SN	SurnameAnchorSegment	{first, last, none}	none	none	none	none	first	none	none
SN	SurnameCheckTAQ	{off, remove, score}	score	score	score	score	score	score	score
SN	SurnameMode	{highest, average, lowest}	average	average	average	average	average	average	average
SN	SurnameExactInitialMatchScore	{0.0, 0.1, ..., 1.0}	1.0	1.0	1.0	0	1.0	0	1.0
SN	SurnameInitialScore	{0.0, 0.1, ..., 1.0}	0	0	.85	0	.85	0	.85
SN	SNV-Score *	{0.0, 0.1, ..., 1.0}	-	-	-	-	-	-	-
SN	SurnameOutOfPositionFactor	{0.0, 0.1, ..., 1.0}	.60	.60	.90	1.0	.60	.63	.80
SN	SurnameAnchorFactor	{0.0, 0.1, ..., 1.0}	0	0	0	0	.70	0	0
SN	SurnameTAQDisregardAbsentFactor	{0.0, 0.1, ..., 1.0}	.80	.80	.80	.80	.80	.80	.80
SN	SurnameTAQDeleteAbsentFactor	{0.0, 0.1, ..., 1.0}	.90	.90	.90	.90	.90	.90	.90
SN	SurnameTAQDeleteFactor	{0.0, 0.1, ..., 1.0}	.85	.85	.85	.85	.85	.85	.85
SN	SurnameTAQDisregardFactor	{0.0, 0.1, ..., 1.0}	.70	.70	.70	.70	.70	.70	.70
SN	LastNameUnknownScore	{0.0, 0.1, ..., 1.0}	.60	.60	.60	.60	.60	.60	.60
SN	NoLastNameScore	{0.0, 0.1, ..., 1.0}	.65	.65	.65	.65	.65	.65	.65
SN	SurnameCompressedScore	{0.0, 0.1, ..., 1.0}	.90	.90	.90	.90	.90	.90	.90
SN	SurnameThreshold	{0.0, 0.1, ..., 1.0}	.50	.50	.63	.70	.60	.63	.62
SN	SurnameWeight	{0.0, 0.1, ..., 1.0}	1.0	1.0	.80	1.0	1.0	1.0	1.0
GN	GivenNameCheckInitial	{T, F}	T	T	T	F	T	F	T

GN	GivenNameCheckVariant	{T, F}	T	average	lowest	average	score	average	score	lowest	average	score	average	score	highest
GN	GivenNameCheckBias	{T, F}	F												
GN	GivenNameCheckUnknownNotExist	{T, F}	F												
GN	GivenNameCheckCompressed	{T, F}	F												
GN	GivenNameAnchorSegment	{first, last, none}	none												
GN	GivenNameCheckTAQ	{off, remove, score}	score												
GN	GivenNameMode	{highest, average, lowest}	average												
GN	GivenNameExactInitialMatchScore	{0.0, 0.1, ... 1.0}	1.0												
GN	GivenNameInitialScore	{0.0, 0.1, ... 1.0}	.85												
GN	GNV-Score *	{0.0, 0.1, ... 1.0}	-												
GN	GivenNameOutOfPositionFactor	{0.0, 0.1, ... 1.0}	.60												
GN	GivenNameAnchorFactor	{0.0, 0.1, ... 1.0}	0												
GN	GivenNameTAQDisregardAbsentFactor	{0.0, 0.1, ... 1.0}	.80												
GN	GivenNameTAQDeleteAbsentFactor	{0.0, 0.1, ... 1.0}	.90												
GN	GivenNameTAQDeleteFactor	{0.0, 0.1, ... 1.0}	.85												
GN	GivenNameTAQDisregardFactor	{0.0, 0.1, ... 1.0}	.70												
GN	FirstNameUnknownScore	{0.0, 0.1, ... 1.0}	.60												
GN	NoFirstNameScore	{0.0, 0.1, ... 1.0}	.65												
GN	GivenNameCompressedScore	{0.0, 0.1, ... 1.0}	.90												
GN	GivenNameThreshold	{0.0, 0.1, ... 1.0}	.50												
GN	GivenNameWeight	{0.0, 0.1, ... 1.0}	.80												
SN+GN	NameThreshold **	{0.0, 0.1, ... 1.0}	.60												

(Note that the values of the parameters that exist in DNC were mapped into their related parameter value in this set of default values. All new parameters were assigned a "best guess" value at this point. Some adjustments were made to the DNC GNOOPS + SNOOPS parameters).

\* SNV-Score and GNV-Score values are not included in this table since the scores are actually associated with a specified variant pair, and are contained in the SURNAME-VARIANT and GIVEN-NAME-VARIANT Tables, respectively. The developer can not override the SNV-Score and GNV-Score through the API. Changes to these scores must be made through a separate VariantManager utility. Refer to the sections on SN Variants and GN Variants for more details.

\*\* NameThreshold was calculated by scoring 
$$\frac{(\text{SurnameThreshold} * \text{SurnameWeight}) + (\text{GivenNameThreshold} * \text{GivenNameWeight})}{(\text{SurnameWeight} + \text{GivenNameWeight})}$$